

# IF5 Key Points

- **IF05-1:** Micro-pattern gaseous detectors (MGPDs) constitute **an enabling technology** that is key for large segments of the future U.S **NP and HEP** programs, and which also benefits other communities. MPGDs provide a flexible go-to solution whenever particle detection with large area coverage, fine segmentation, and good timing is required.
- **IF05-2:** The technology is relatively young and should be **advanced to performance limits to enable future HEP experiment.** Support of generic and blue-sky R&D is required to achieve this.
- **IF05-3:** The global HEP community would benefit from U.S. **strategy coordination** with the ECFA detector R&D implementation process in Europe.
- **IF05-4:** In order to maintain and expand U.S. expertise on MPGDs, The U.S. NP and HEP communities would benefit strongly from a **joint MPGD development and prototyping facility** in the U.S.